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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/702,181	11/05/2003	Jeremy A. Schrooten	C-3064 7541	
75	90 10/28/2005		EXAM	INER
Malcolm J. Ch	nisholm, Jr.		HODGE, R	OBERT W
P.O. Box 278 220 Main Street			ART UNIT	PAPER NUMBER
Lee, MA 01238			1746	
		DATE MAILED: 10/28/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application No.	Applicant(s)				
		10/702,181	SCHROOTEN ET AL.				
	Office Action Summary	Examiner	Art Unit				
		Robert Hodge	1746				
	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1)⊠	Responsive to communication(s) filed on <u>09 September 2005</u> .						
·	This action is FINAL . 2b) This action is non-final.						
,	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
٠,۵	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims							
4)⊠ Claim(s) <u>1-9</u> is/are pending in the application.							
•	4a) Of the above claim(s) is/are withdrawn from consideration.						
	Claim(s) is/are allowed.						
•	☐ Claim(s) is/are allowed. ☐ Claim(s) 1-3,5-7 and 9 is/are rejected.						
·	Claim(s) <u>4 and 8</u> is/are objected to.						
· ·	Claim(s) are subject to restriction and/or election requirement.						
	on Papers						
		ar.					
 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. 							
•							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11)	The oath or declaration is objected to by the Ex						
<i>,</i> —	ınder 35 U.S.C. § 119						
•	-	priority under 35 H S C & 119(a)	h-(d) or (f)				
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).							
u) _l	a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority documents have been received.						
	Certified copies of the priority documents have been received in Application No						
	3. Copies of the certified copies of the priority documents have been received in Application No						
	application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.							
Attachmen	t(s)						
	e of References Cited (PTO-892)	4) Interview Summary					
	e of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	Paper No(s)/Mail Date 5) Notice of Informal Patent Application (PTO-152)					
	r No(s)/Mail Date	6) Other:	, ,				

Application/Control Number: 10/702,181 Page 2

Art Unit: 1746

DETAILED ACTION

Response to Arguments

- 1. Applicant's arguments with respect to claims 1-9 have been considered but are most in view of the new ground(s) of rejection.
- 2. The examiner acknowledges that claims 10 and 11 are canceled.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 4. Claims 1-3, 5-7 and 9 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S Pre-Grant Publication No. 2003/0224227 hereinafter Voss.
- Voss teaches a performance enhancing break-in method (i.e. conditioning method) for a proton exchange membrane fuel cell having an anode and cathode secured to opposite sides of a proton exchange membrane electrolyte, by applying a potential around 0 to 0.6 volts that is advantageously varied (changing the potential) to the stack with hydrogen being supplied to the anode and no oxidant being supplied to the cathode, and by doing so hydrogen is formed on the cathode side which exposes it to reducing conditions, said fuel cell can also be operated by providing a reducing fluid

Application/Control Number: 10/702,181 Page 3

Art Unit: 1746

and oxidant to the fuel cell with power being delivered to an external electric load via a switch. Voss also teaches the use of a controller that may be programmed to run the above-disclosed method that would control valves and switches for the entire system (paragraphs [0012] – [0034]). The examiner notes that the Voss reference has defined hydrogen to be inert (paragraph [0032]) as well as having reducing properties (paragraph [0026]) and therefore it reads on applicants claims reciting "an inert gas", "a hydrogen containing gas", "a reducing fluid reactant" and a mixture of a reducing fluid and an inert gas".

Allowable Subject Matter

- 6. Claims 4 and 8 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 7. The prior art made of record does not teach or fairly suggest a performance enhancing break-in that further comprises the step of raising the potential of the anode while exposing the anode to an oxidant reacting and continuing to expose the cathode to a reducing fluid reactant.

Conclusion

8. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert Hodge whose telephone number is (571) 272-2097. The examiner can normally be reached on 8:00am - 4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Barr can be reached on (571) 272-1414. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/702,181

Art Unit: 1746

Page 5

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RWH 10-24-05

MICHAEL BARR
SUPERVISORY PATENT EXAMINER